

Figure 1: Prior art

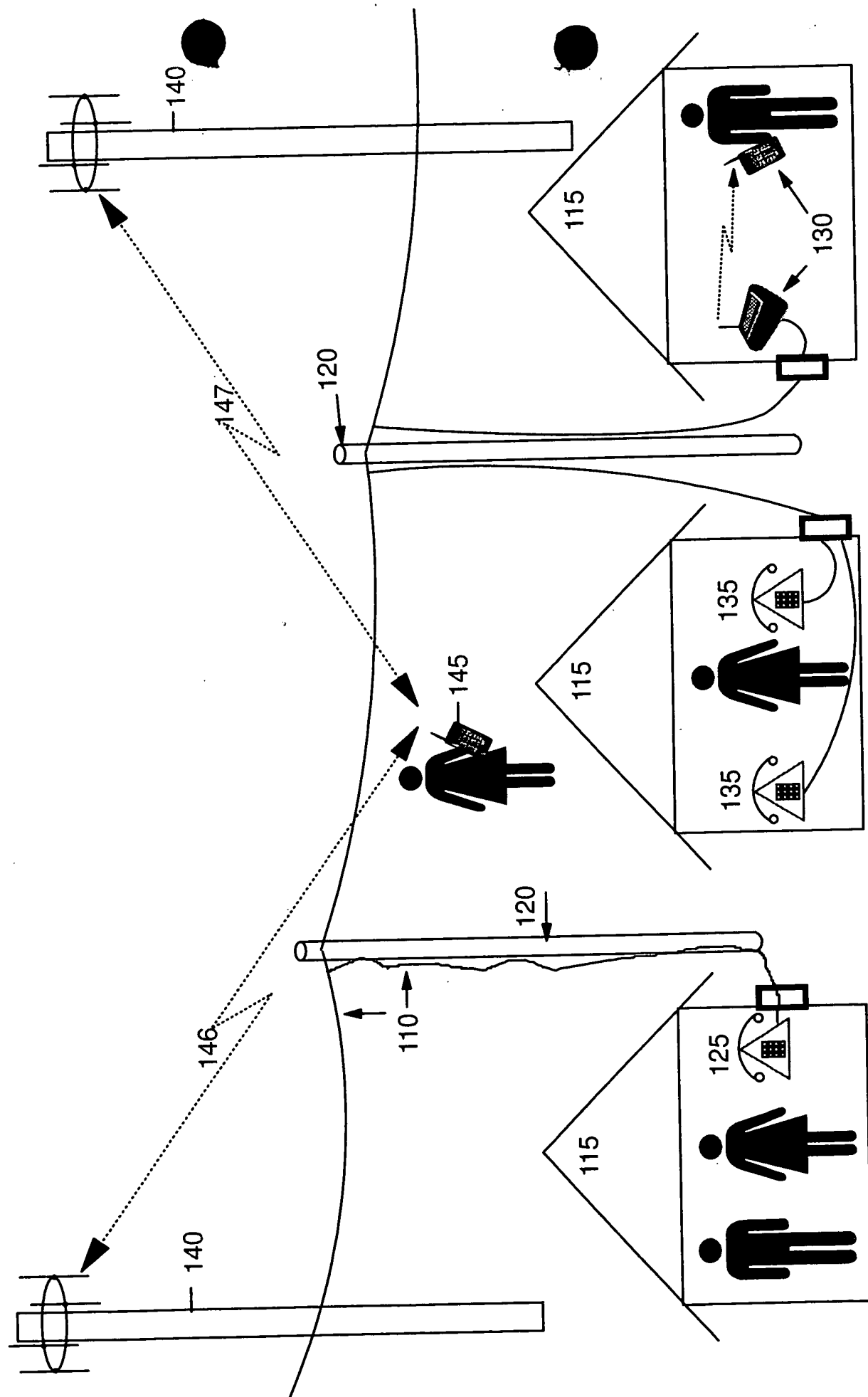


Figure 2: Inventive System with Wireless Network Node box

200

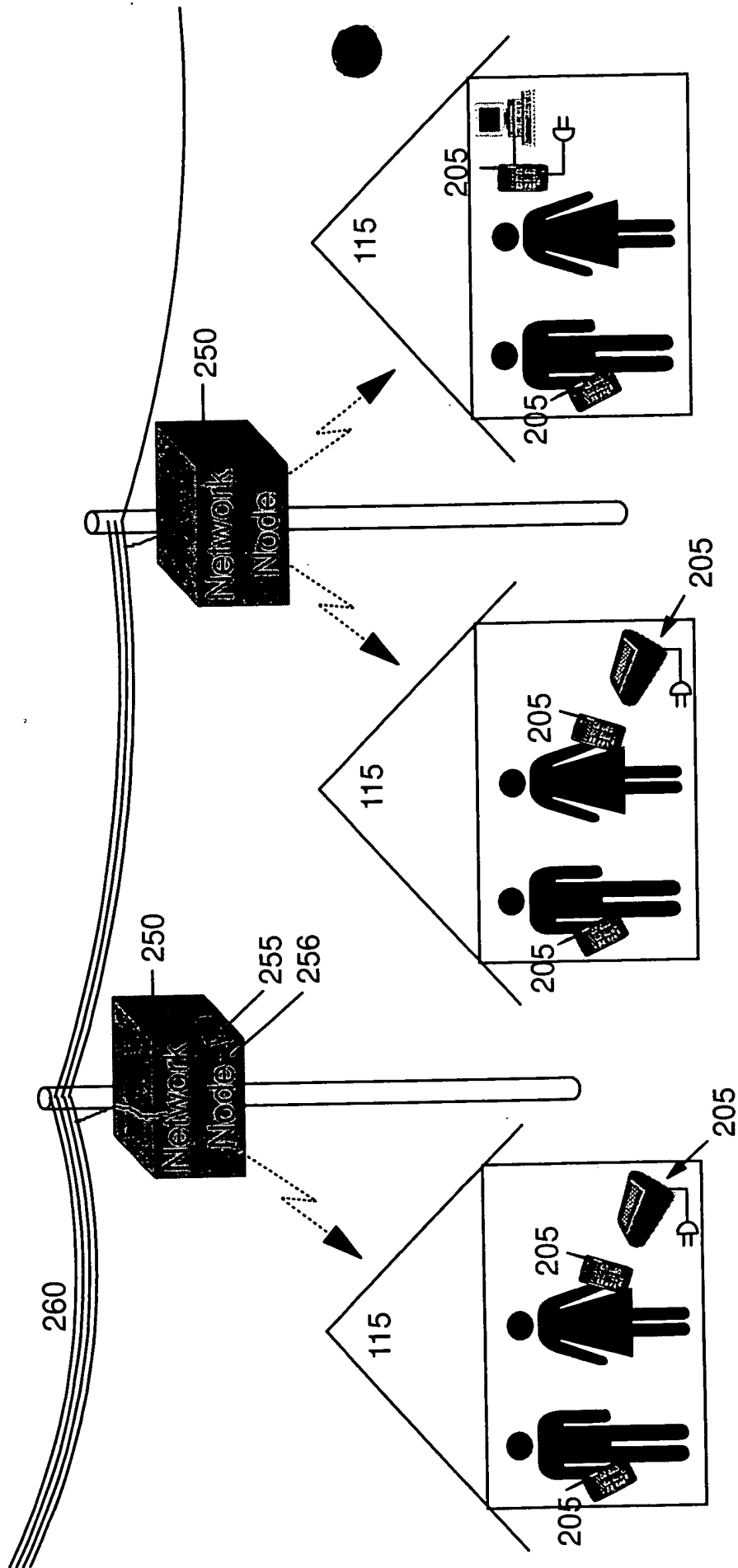


Figure 3 - Network Node Controller

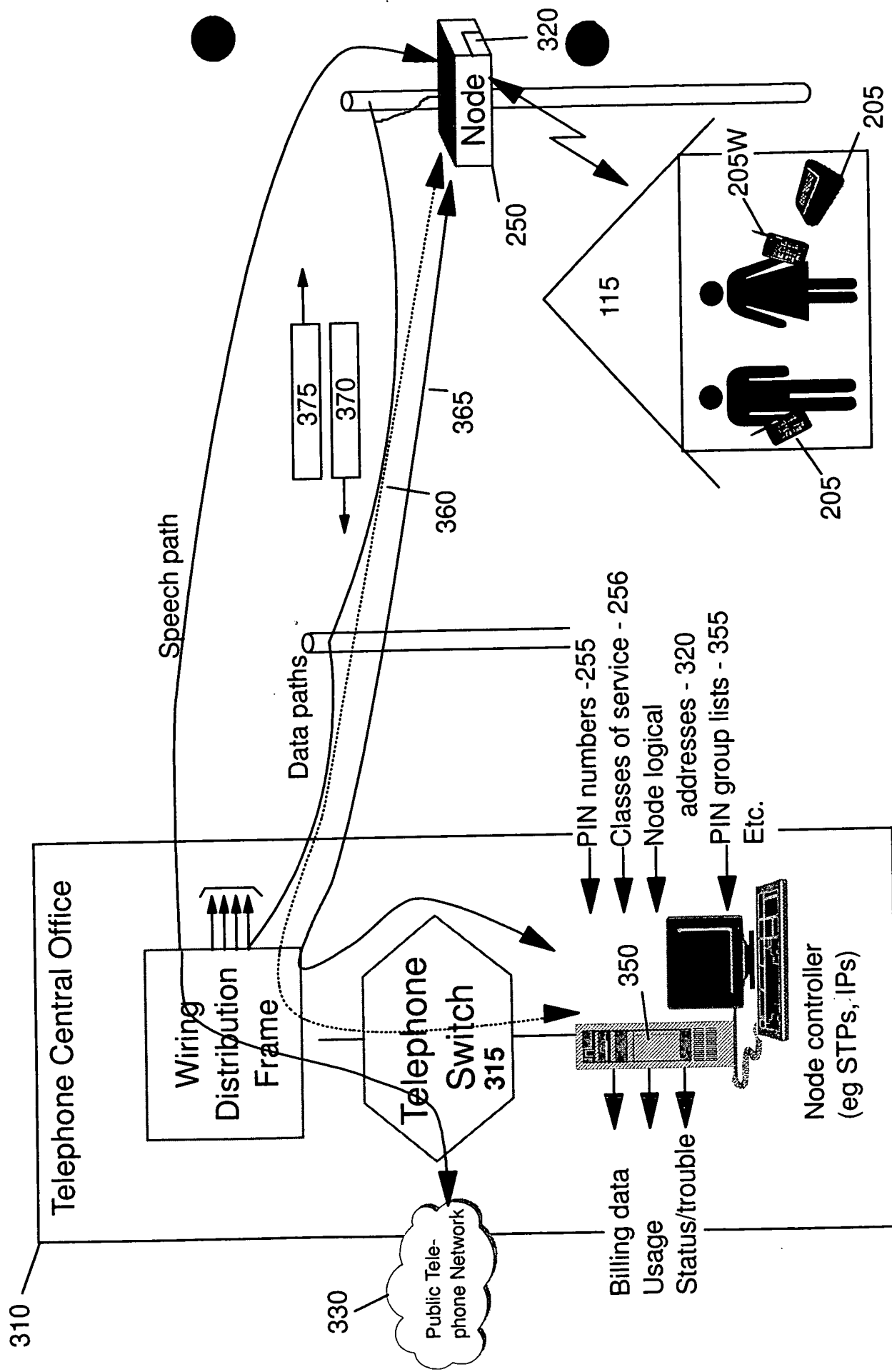
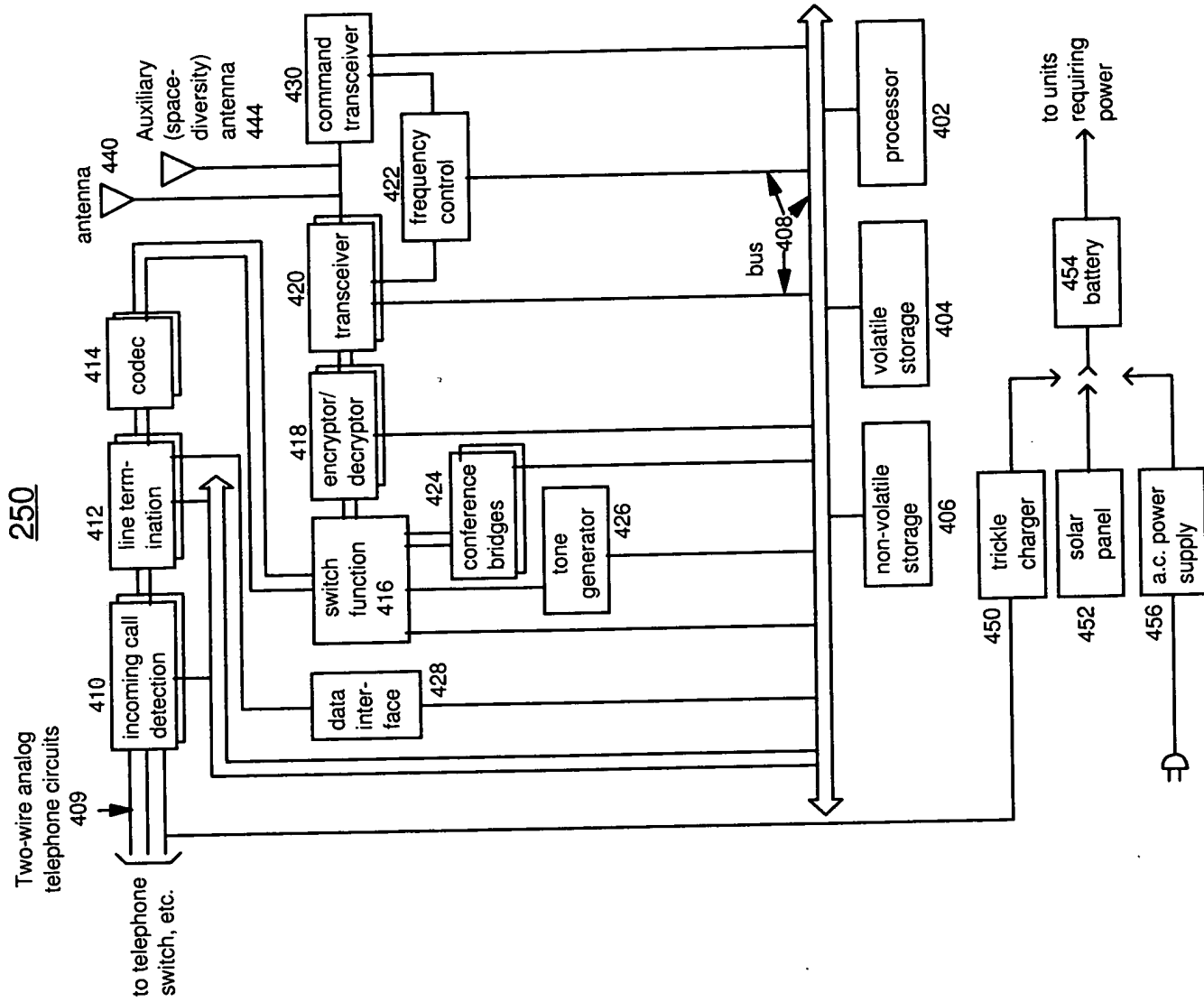


Figure 4. Telephone network node device



205W
 Figure 5. Wireless communications device

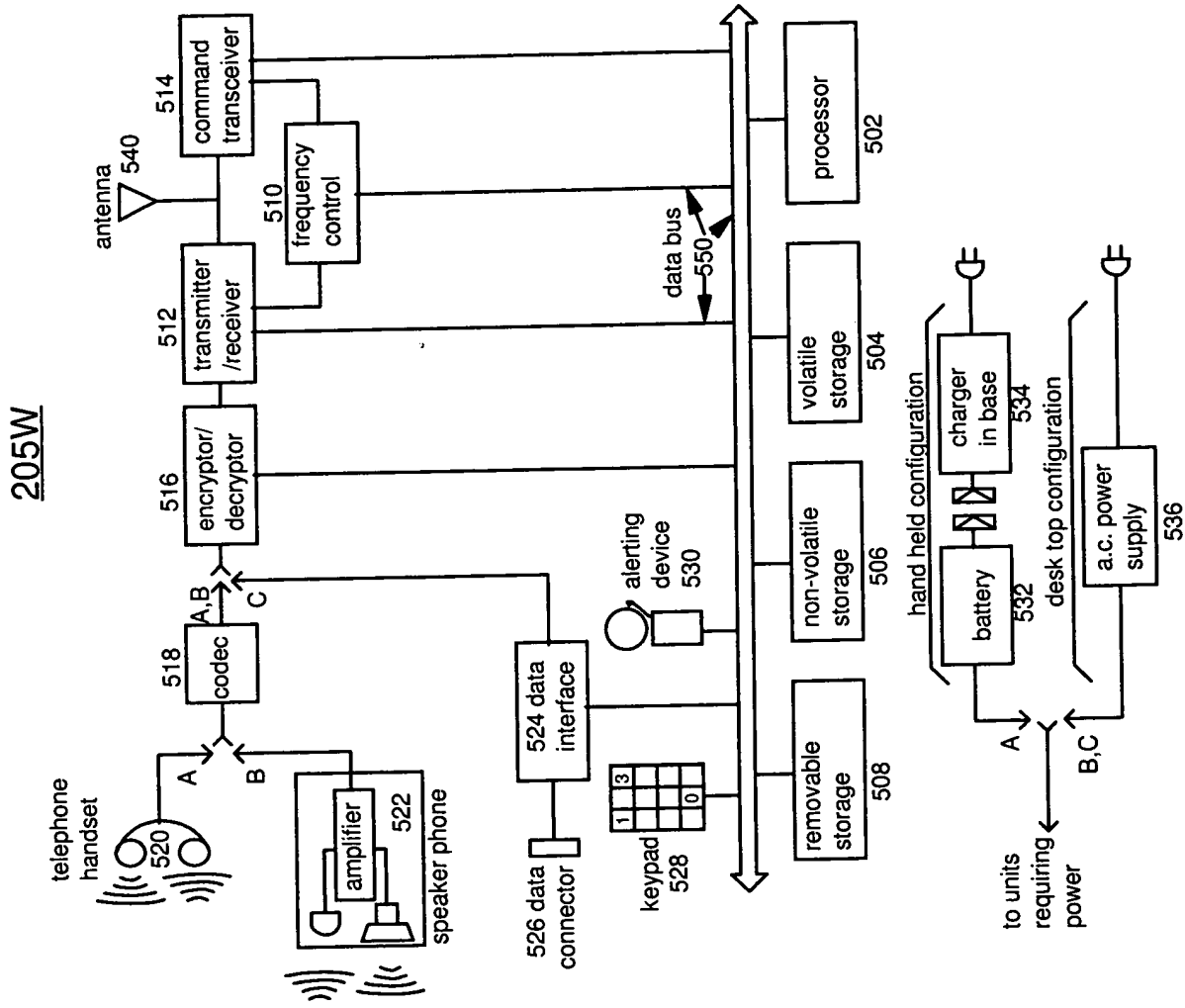
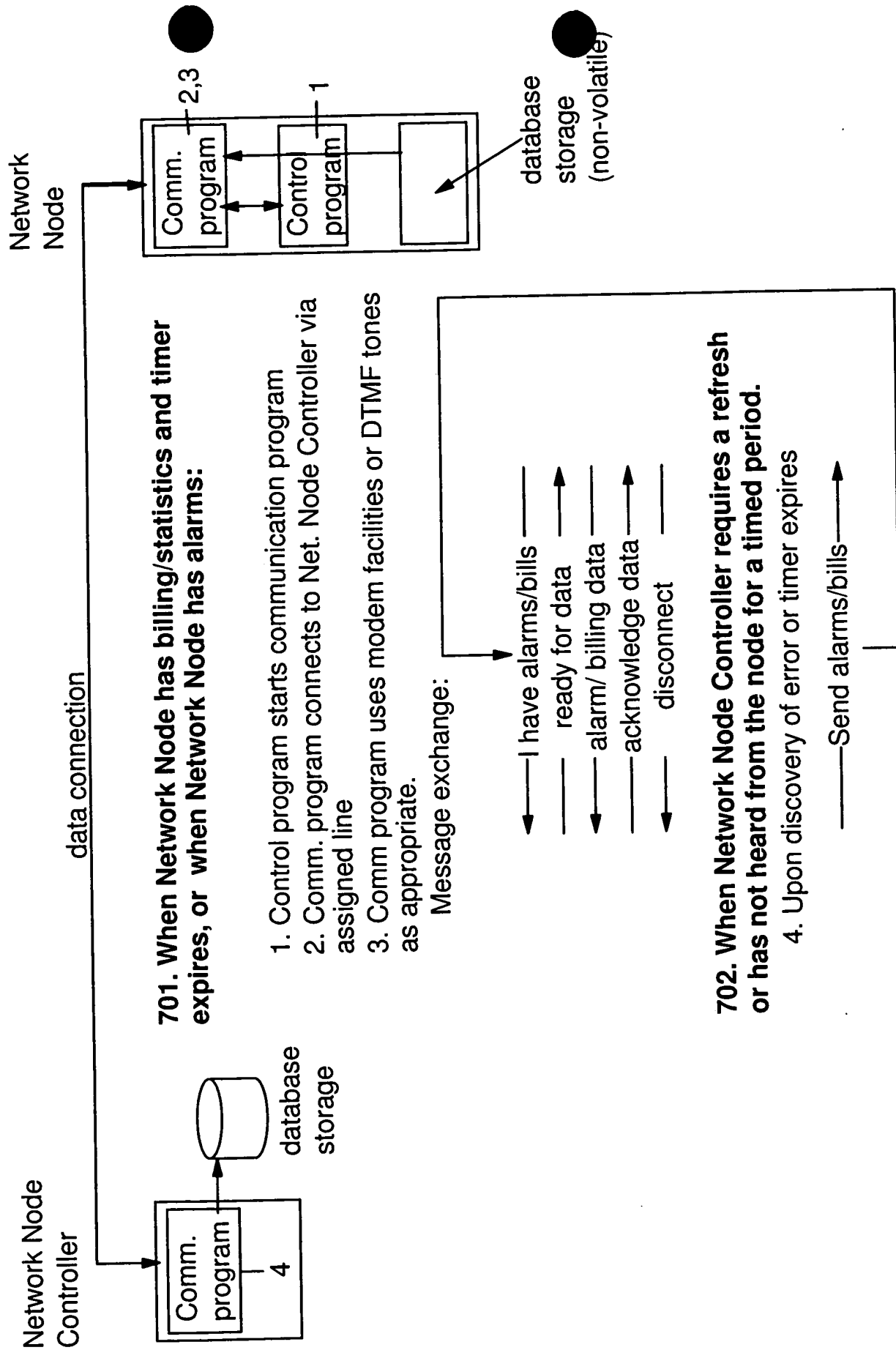


Fig 7. Alarm & Traffic reporting to Network Node Controller



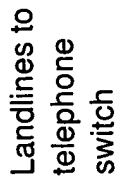


Figure 10

Connection process -Network node to Wireless Communication Devices

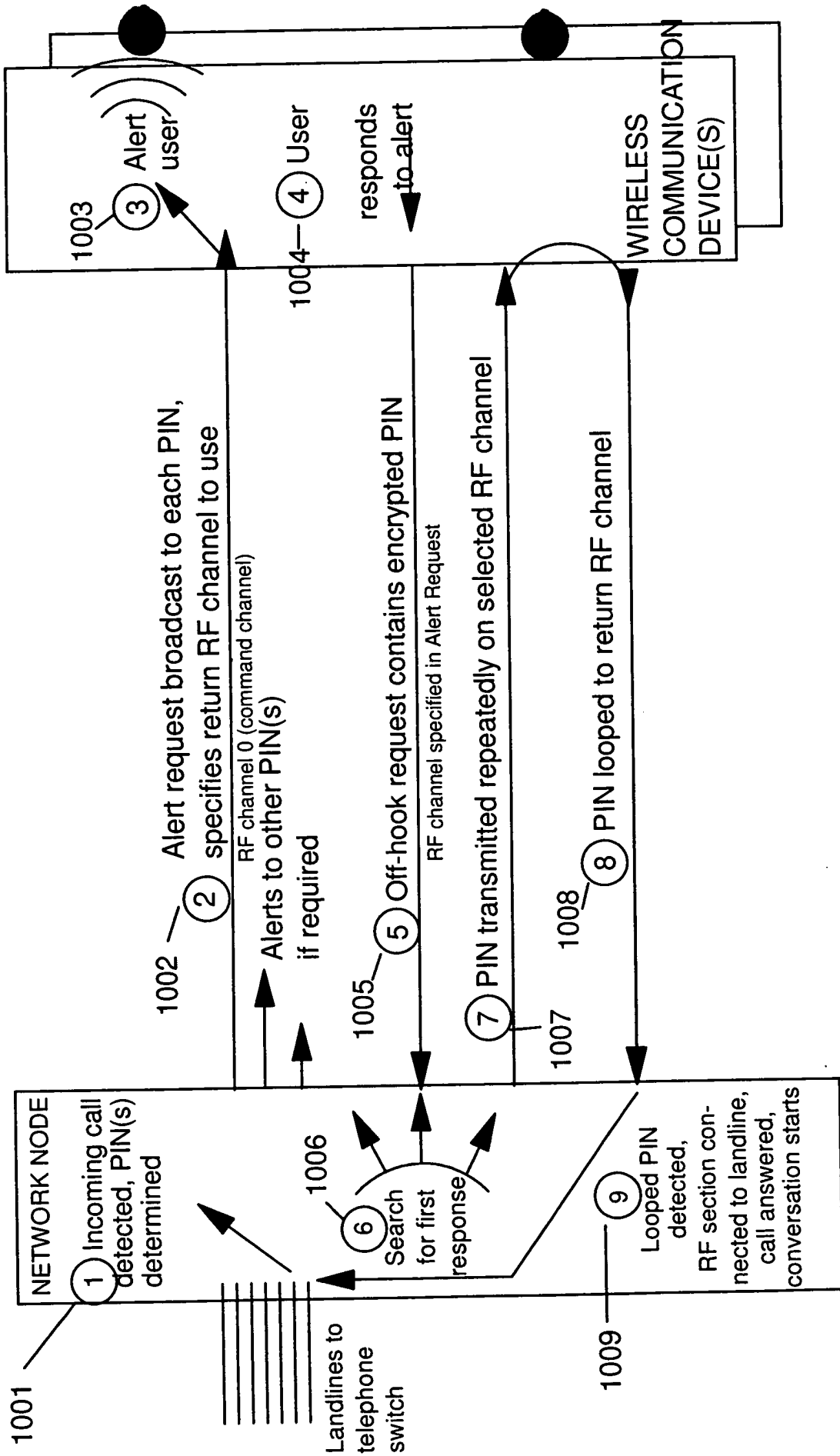


Fig.11

Class of service table showing association of services to PIN #

PIN #	First/only dedicated line # incoming/outgoing/both (additional dedicated line #, etc.)
	Last dedicated line # incoming/outgoing/both
	Privacy feature allowed
	Privacy feature during call
	Privacy disconnect allowed
	Privacy disconnect priority
	Bridging allowed
	Shared outgoing service allowed
	Shared outgoing service max lines
	Shared outgoing service access priority
	Shared outgoing service pre-empt priority
	Shared incoming line access number
	Shared incoming service max lines
	Call waiting notify never/atways/newest/oldest
	Camp-on allowed
	Join allowed

Fig. 12
Association of dedicated and shared line(s) to PIN #s

Incoming entity	Priority	PIN assignment
Dedicated line 1		PIN xxxx
Dedicated line 2		PIN aaaa; PIN yyyy, PIN zzzz; etc.
...		...
Dedicated line N		PIN xxxx; (PIN yyyy; PIN zzzz; etc.)
Shared 1 Incoming code xxxx	p	PIN bbbb
Incoming code yyyy	p	PIN cccc
Incoming code zzzz	p	PIN dddd
....	
Shared 2 Incoming code xxxx	p	PIN bbbb
Incoming code bbbb	p	PIN eeee
....	
....	
Shared N Incoming code 1111	p	PIN mmmm; (PIN yyyy; PIN zzzz; etc.)
Incoming code 2222	p	PIN nnnn; (PIN yyyy, PIN zzzz; etc.)
....	

1201

1202

1203

1204

Fig 13. Privacy process charts, part 1

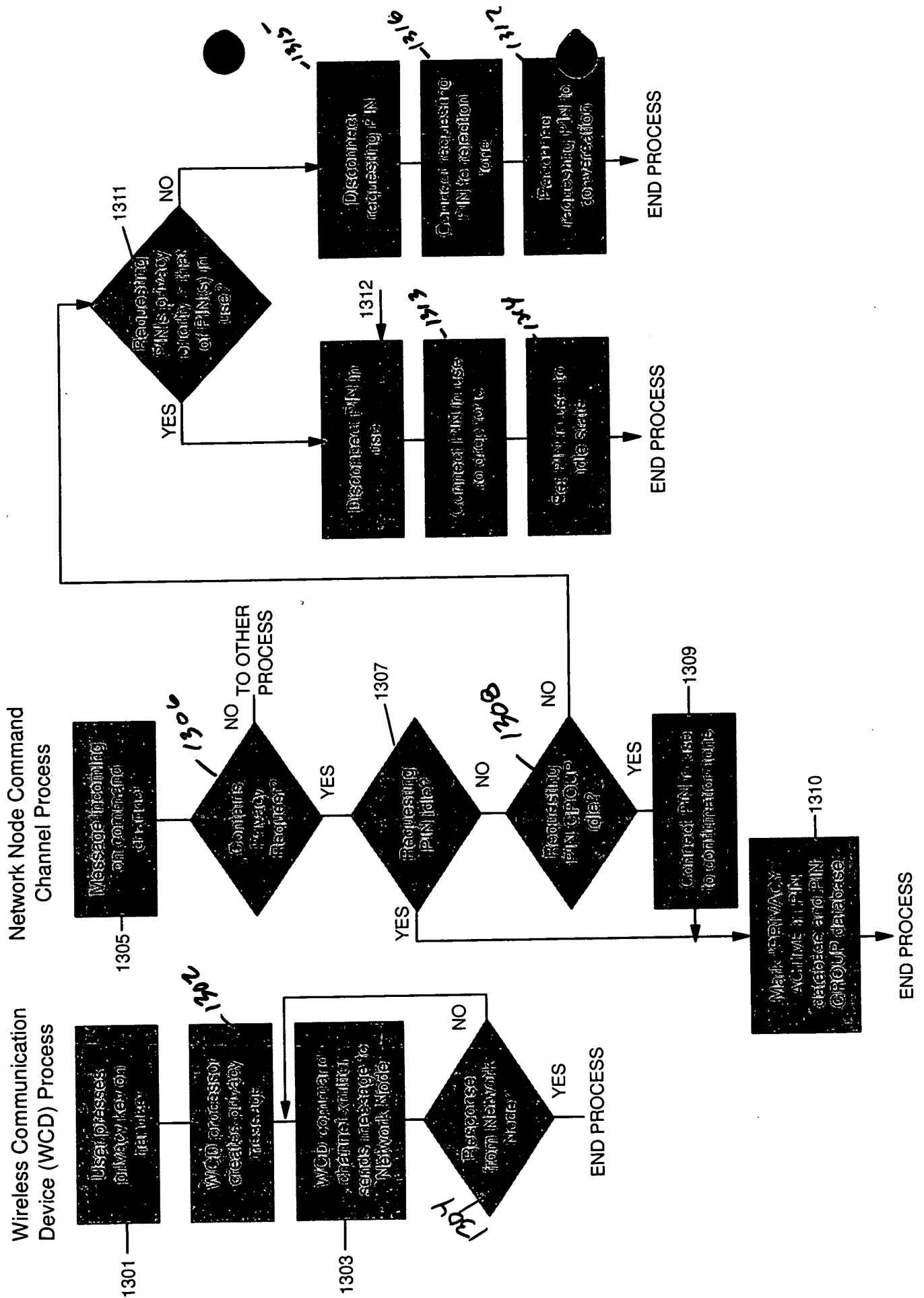


Fig 14. Privacy process charts, part 2

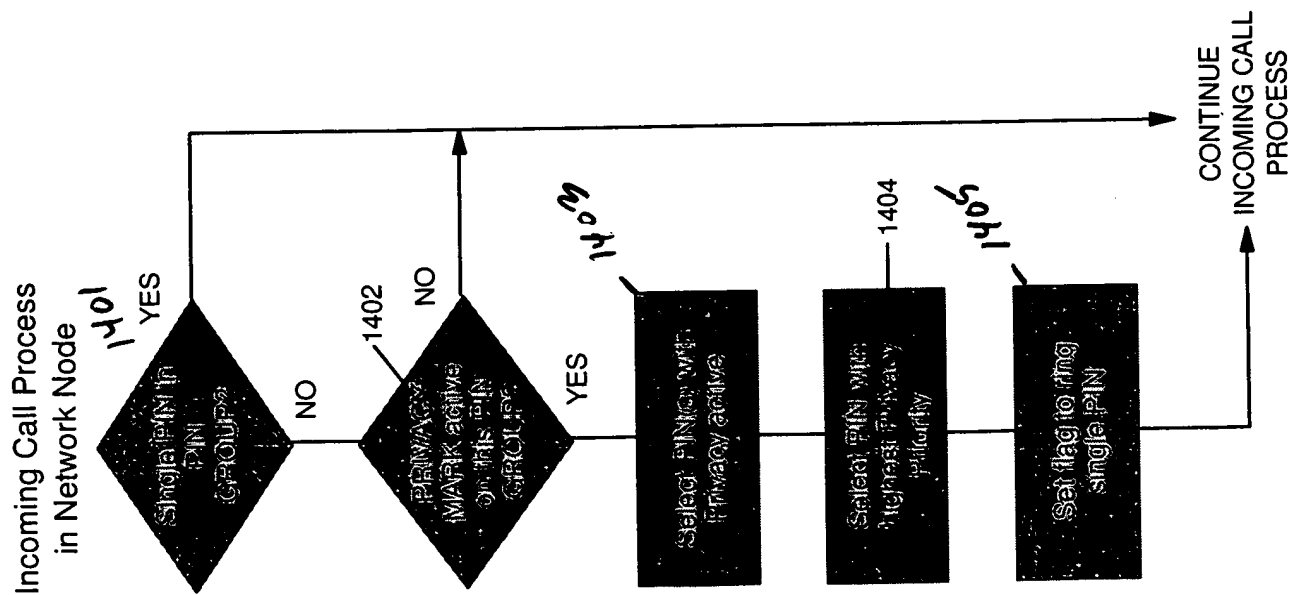


Fig 15. ~~Privacy process charts, part 3~~
000160" 00113360

Outgoing Call Process
in Network Node

